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DATE: Wednesday, September 26, 2007

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
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L16: Entry 1 of 2

File: USPT

Jul 9, 2002

US-PAT-NO: 6417931

DOCUMENT-IDENTIFIER: US 6417931 B1

**** See image for Certificate of Correction ****

TITLE: Print layout device, print layout method, and storage medium

DATE-ISSUED: July 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mori; Yasuo	Tokyo			JP
Nakagiri; Koji	Kawasaki			JP
Nishikawa; Satoshi	Kawasaki			JP
Kujirai; Yasuhiro	Tokyo			JP

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Canon Kabushiki Kaisha	Tokyo			JP	03

APPL-NO: 09/123365 [PALM]

DATE FILED: July 28, 1998

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	9-218318	July 30, 1997
JP	10-195715	July 10, 1998

INT-CL-ISSUED: [07] B41B 15/00

INT-CL-CURRENT:

TYPE IPC	DATE
CIPP <u>G06 K 15/02</u>	20060101

US-CL-ISSUED: 358/1.15; 358/1.12, 358/1.18, 707/517

US-CL-CURRENT: 358/1.15; 358/1.12, 358/1.18, 715/517

FIELD-OF-CLASSIFICATION-SEARCH: 358/1.1, 358/1.12, 358/1.13, 358/1.9, 358/1.14, 358/1.15, 358/448, 358/449, 358/452, 358/1.5, 358/1.6, 358/1.17, 358/1.18, 707/517, 707/520, 707/521, 707/527

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	4778288	October 1988	Nakamura	400/76
<input type="checkbox"/>	5634091	May 1997	Sands et al.	358/1.18
<input type="checkbox"/>	5732197	March 1998	Nakagiri	358/1.11
<input type="checkbox"/>	5839033	November 1998	Takahashi et al.	399/187
<input type="checkbox"/>	5963216	October 1999	Chiarabini et al.	358/1.9
<input type="checkbox"/>	5995721	November 1999	Rourke et al.	358/1.15

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
0 330 343	August 1989	EP	
0 477 569	April 1992	EP	

ART-UNIT: 2622

PRIMARY-EXAMINER: Wallerson; Mark

ATTY-AGENT-FIRM: Fitzpatrick, Cella, Harper & Scinto

ABSTRACT:

Provided are a print layout device, a print layout method and a storage medium therefor with which all data can always be printed by ensuring that data to be printed do not extend out beyond the limits of a printable area, as may occur when the conventional margin setting process is used, with which a margin can be set by employing an additional special print method, such as an N-up print method, and with which a binding margin can be set for bookbinding. In addition, provided is a configuration for implementing those apparatuses and devices without modifying the conventional portions. A host computer comprises a despooler, which calculates a printable area using margin parameters set by a user, enlarges/reduces print data in consonance with the obtained printable area, performs a layout for the resultant data to be printed and margins on a sheet, and prints the data using that layout. The despooler outputs prepared drawing data to a graphic engine to provide a printer driver in a conventional manner.

95 Claims, 11 Drawing figures

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